



Intelligent-care

Smart clothing with belt protection

Smart airbag on the body / No worry about Slipping

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Smart airbag on the body / No worry about Slipping

Company Introduction

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Company Introduction



IC is a company focusing on the research and development of care for the safety of the elderly Smart wear R & D company. IC starts to develop this project in 2014 and has 20 years of technology experience on automobile airbag industry, which creates the all-new wearable airbag for the elderly by innovation on material, air source reference and time as well as the innovative development of algorithm model of falling by accurate judgment, pre judgment in advance, airbag opening in 0.18 seconds to achieve protection function and customization and more comprehensive and comfortable experience for the elderly. This smart clothing tech has overcome many cross industry and technical difficulties, invited domestic top scientific research institutes to participate in the development of core algorithms, and have obtained more than 20 patented technologies, created the core technology of fall protection, and truly achieved the active protection of the elderly falling.



Smart airbag on the body / No worry about Slipping

Product background



Technique

IC R&D team has created the smart wearable airbag for the elder by comprehensive upgrading and development on material, air source reference and time, and applying air bag technology to clothing. The micro sensor and processor are built in this product which could open airbag in 0.18 and achieve the positive protection. It can protect the vulnerable joints of the ELDER such as head, face, chest, shoulder, spine, hip joint, and protect the safety of the elder at all times

Market

According to the report, there are 40 million elders aged 65 years or above experiencing accidental fall and 32 thousand will be dead caused by falling, which means that 8 elders for every 10 thousand died of falling. This becomes the top killer, with the increase of osteoporosis, bone fragility and other problems accumulated day by day, one falling of the elderly may cause many problems such as fracture, pulmonary embolism, infection, etc., and it is more likely to leave serious sequelae or even death.

Target

The elder's safety makes family reassured.

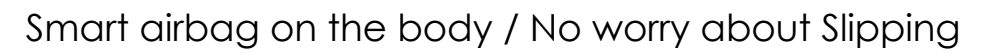
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Product introduction

02





PRODUCT INTRODUCTION- FALL PREVENTING BELT



Name	Fall preventing belt
Color	Grey
Weight	980g
Material	polyester
Protect areas	Hip joint, caudal vertebrae
Season	For all seasons

Smart fall preventing belt

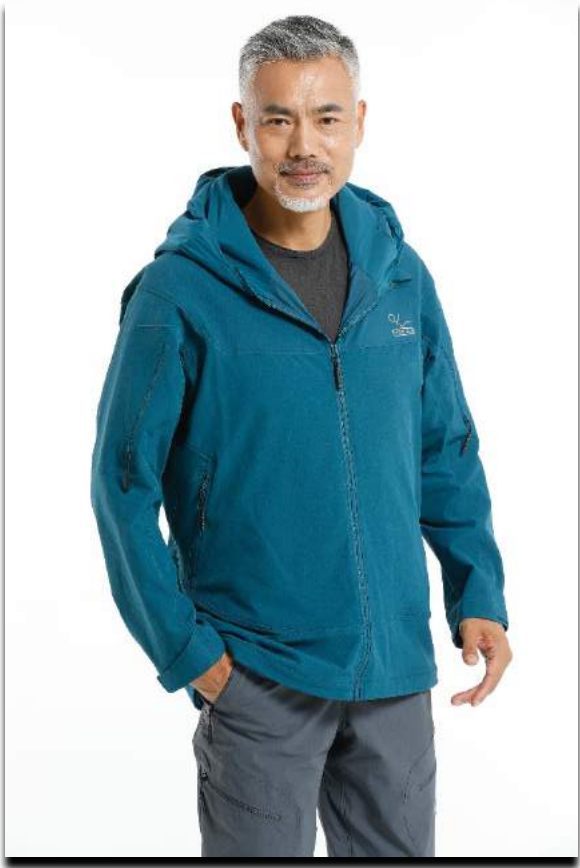
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PRODUCT INTRODUCTION- COAT



SPECIFICATION

NAME	AIR CLOTHES
Color	Blue
Weight	1.5kg
Material	Top soft shell fabric
Protect areas	Head, front face, back, chest, shoulder blades
Season	Autumn, Winter and SPRING



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PRODUCT INTRODUCTION- PANTS



NAME	AIR pants
Color	Black, grey
Weight	900g
Protect areas	Hip joint, caudal vertebrae
Material	Top soft shell fabric
Season	Autumn, Winter and SPRING

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PRODUCT INTRODUCTION-AIR VEST



NAME	AIR vest
Color	Black
Weight	900g
Protect areas	Head, forehead, back, chest, scapula
Material	Top soft shell fabric
Season	All seasons

airbag on the body / No worry about Slipping

PRODUCT INTRODUCTION-TECHNIQUE



Core tech leads digital intelligent fall prevention Era

Comprehensive sense/Accurate detection of 1000 times of human movement data

(real-time monitoring can prevent accidents)

There is a micro sensor built in this product, which could collect 10000 times of motion data every second, it means that whether you're taking a break or jogging, all complex motion data could be monitored precisely and recognized to avoid accidental falling for the elder.

Super brain thinks 100000 times per second (Core tech makes protection effective)

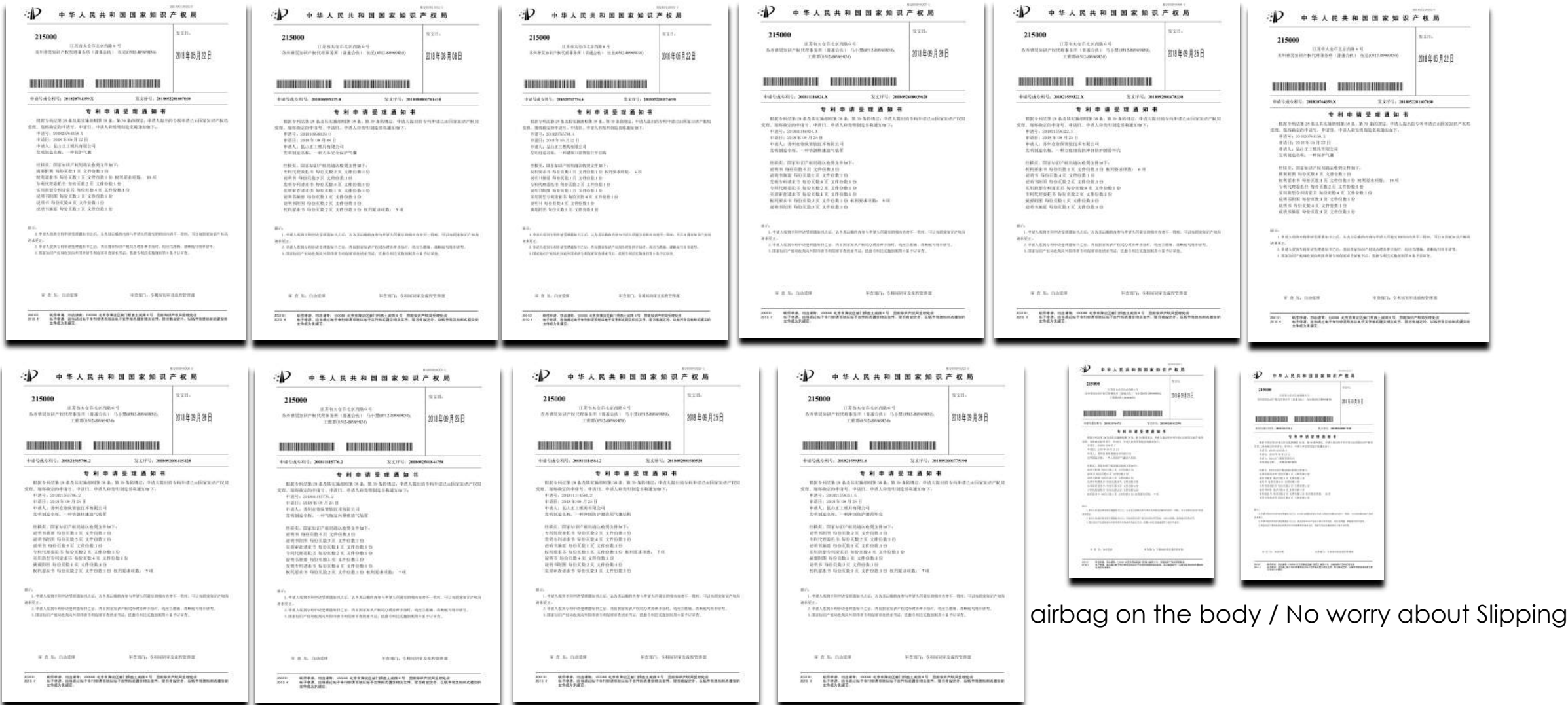
The unique core processor in this product could simulate the way of thinking of human brain, make the data collected by sensors processed with ultra-high frequency operation 100000 times per second, judge the old people's movement status and achieve effective protection.

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PRODUCT INTRODUCTION-TECHNIQUE



PARTIAL PATENTS



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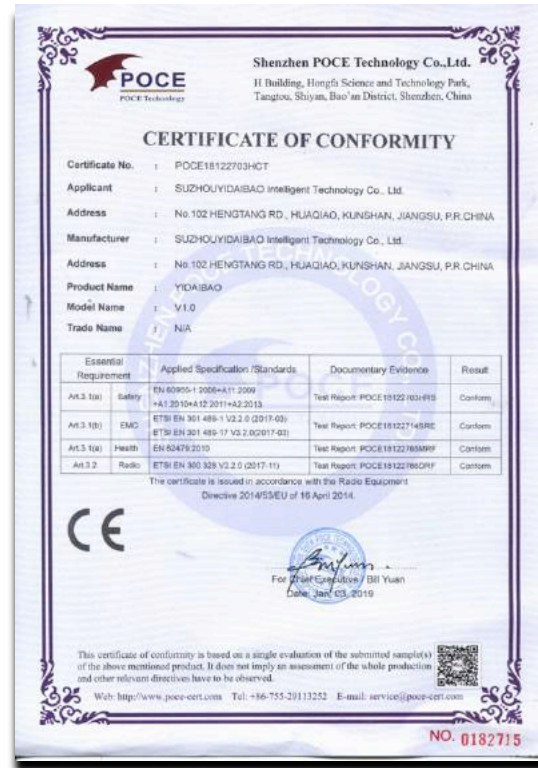
PRODUCT INTRODUCTION- QUALIFICATION



Trademark certificate



Ce certificate



CNAS certificate



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PRODUCT INTRODUCTION-FUNCTION

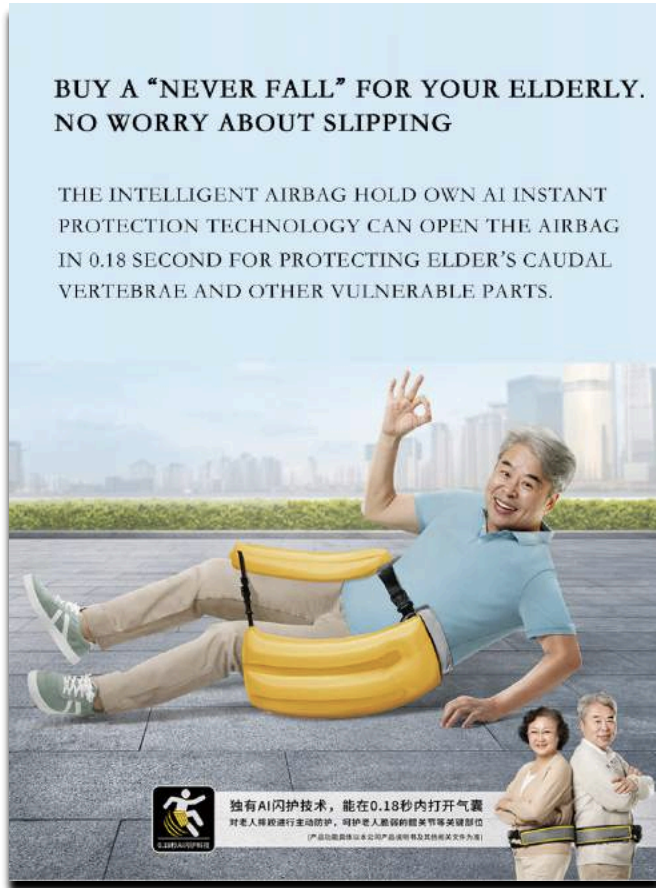


Protection Upgrade Our Anti-fall down coat with invisible smart air bag for comprehensive protection ,provide super soft care with black technology during 0.18s

IC R&D team has created the smart wearable airbag for the elder by comprehensive upgrading and development on material, air source reference and time, and applying air bag technology to clothing. The micro sensor and processor are built in this product which could open airbag in 0.18 and achieve the positive protection. It can protect the vulnerable joints of the ELDER such as head, face, chest, shoulder, spine, hip joint, and protect the safety of the elder at all times

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PRODUCT INTRODUCTION-BELT FUNCTION



Working status

Air double layer shock absorption design, PCT international patent super soft care.

The intelligent airbag uses air double layer shock absorption design, outer is super wear resistant aviation fabric, inner is medical grade airbag material. Unique PCT international patent could provide super soft care during 0.18s when the elder is falling.

Dislocation could provide close care at the moment of falling.

There are 8 to 10 independent safety air camber, tight structure and solid ring shape and unique safety buckle tech could make airbag fit for hips and legs seamlessly, no deformation and dislocation, provide close care at the moment of falling.



Daily wear diagram

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PRODUCT INTRODUCTION-COAT



WORKING STATUS

Personal guard, opening the protective experience of
"golden bell cover, iron cloth shirt"

After a long period of technology research and development and product improvement, the overall structure design of the clothing can not only meet the needs of daily life of the elderly, but also protect the key parts of the elderly in the emergency of accidental fall. It has the characteristics of wider protection scope and higher protection strength, and fundamentally reduces the loss and mortality caused by accidental fall.

3D protective clothing, not afraid to fall in all directions

Our coat uses popular design, three-dimensional cutting, more fitted and comfortable. It contains the front chest air bag, back air bag, shoulder blade air bag, head cap air bag, etc. it can protect the key parts of the elderly in all directions, as well as the face~



BUILT-IN AIRBAG

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PRODUCT INTRODUCTION-PANTS



Working status

black technology safety pants, bodyguard can protect

The appearance looks like a pair of "plain" black pants, loose and breathable. However, in case of a fall, the invisible "built-in" air bag can inflate in 0.18 seconds, effectively reducing the landing impact force, and providing protect to the elder's caudal vertebrae and other vulnerable parts.

Sound protection warning, get attention and help in time

It is crucial to get help in time after the old man falls. When the smart clothes are opened, the sound protection warning will be brought with them, and the people around them will be reminded to pay attention and help in time.



Built-in airbag

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PRODUCT INTRODUCTION-AIR VEST



内置场景识别技术 自在生活、不受约束

衣带保智能防摔服，内置场景识别技术，能准确将各种运动姿态、生活场景与跌倒姿态区分开来，老人做家务、上下楼梯、陪孩子玩耍等常生活完全不受约束。



Daily wear diagram

Technology protection, simple and comfortable, family daily leisure / outdoor travel, you can freely shuttle.

Our air vest is not just a dress but also a lifesaver for the elderly. The safety of the elderly will be put first in the belt protection, and every production link of anti falling clothing will be strictly controlled. Clothing materials should be small and light, but also durable. After global material selection, it is determined to use high-quality outdoor fabrics with high elasticity, wear resistance and ventilation, which can not only meet the needs of daily life, but also maintain a good physical structure in the air bag inflation state, absorb and evenly disperse the impact force, and reduce the risk of falling injury.

3D立体防护衣 四面八方不怕摔

衣带保智能防摔服上衣采用国际专业户外服饰设计，三维立体裁剪，衣服版型更贴合、舒适。气囊不跑位，内部含有前胸气囊、后背气囊、肩胛骨气囊、头部帽子气囊头等，四面八方保护老人关键部分，还能保护前额哦~



BUILT-IN AIRBAG

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Independent APP design could achieve on-line monitoring and make the elder and family reassured.

App will send remote alarm and position to family once the elder falls accidentally.

Family could check the elder's activity range any time.

App will send warning message to family when the range of activity of the elderly exceeds the set range.



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PRODUCT INTRODUCTION-GARMENTS



It puts the safety of the elderly first, and strictly checks every production link of anti falling clothes. Clothing materials should be small and light, but also durable. After global selection, it is determined to use high-quality outdoor fabrics with high elasticity, wear resistance and ventilation, which can not only meet the needs of daily life, but also maintain a good physical structure in the air bag inflation state, absorb and evenly disperse the impact force, and reduce the risk of falling injury.

Character:

- 1. Elasticity.** It is made of high-quality four elastic woven fabric, with high-performance simple design, comfortable and elastic, and can coordinate the body movement flexibly.
- 2. Waterproof.** The inside of the fabric has a tough physical structure, with the characteristics of light weight and wear resistance, even if it is in close contact with the ground for many times, it will not tear.
- 3. Windproof.** The water repellent layer is formed on the surface of the fabric, resulting in the water repellent effect of lotus leaf, gathering water to form beads, rolling down from the surface of the fabric, easily coping with the changing environment.
- 4. Breathable.** Breathable fabric with more understanding of breathing, micropores are all over the fabric, combined with moisture permeability technology, it can smoothly discharge sweat and moisture, dry and reduce dryness



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PRODUCT INTRODUCTION-AIRBAG



Air double layer shock absorption design, OPW top airbag provides super soft care.

The intelligent airbag uses air double layer shock absorption design, outer is super wear resistant aviation fabric, inner is medical grade airbag material. Unique OPW **international patent** could provide super soft care during 0.18s when the elder is falling.



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PRODUCT INTRODUCTION-HIGH-END GIFT BOX



High-end, hand-made gift box

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PRODUCT INTRODUCTION-AFTERSALES AND MAINTENANCE



Our product is convenient and economical, it is reusable. When the function works, our product will deflate itself and recover several minutes, then no any other steps but just change its inner air generator, simple and quick.



Air generator

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intelligent old-age care

THANKS

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